System, Method, and Program Product for Extracting a

5   **Multiresolution Quadrilateral-Based Subdivision Surface**

Representation from an Arbitrary Two-Manifold Polygon

Mesh

ABSTRACT

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Disclosed is an improved computer system, method, and program product

that has one or more input devices for receiving one or more input meshes

representing a three dimensional model. The three dimensional model is

capable of being represented as a 2-manifold triangular mesh. A conversion

15   process automatically converts the input mesh to a multiresolution

quadrilateral-based subdivision surface (MQSS) representation.